Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-02-28-06** **Date: 03/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Construction of RCC drain in 14th, 15th, 16th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/234/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-18
Sample ID No	:	2018-02-28-06 /03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	24/02/2018	03/03/2018	150.23 X 150.22 X 150.28	22568	8.421	390.4	17.3	
2	Drain Concrete	M20	24/02/2018	03/03/2018	150.13 X 150.17 X 150.19	22545	8.322	399.0	17.7	17.7
3	Drain Concrete	M20	24/02/2018	03/03/2018	150.22 X 150.29 X 150.22	22577	8.414	410.9	18.2	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-02-28-06** **Date: 03/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drain in 14th, 15th, 16th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division

Agency : Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021

Customer's Reference : EE/DD/WO/234/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-02-18

Sample ID No : 2018-02-28-06 /05

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	24/02/2018	03/03/2018	150.15 X 150.22 X 150.21	22556	8.215	378.9	16.8	17.2
2	Drain Concrete	M20	24/02/2018	03/03/2018	150.21 X 150.22 X 150.10	22565	8.244	390.4	17.3	
3	Drain Concrete	M20	24/02/2018	03/03/2018	150.22 X 150.29 X 150.23	22577	8.213	392.8	17.4	

Note:

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-02-20-10** Date: 22-02-18
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Construction of RCC drain in 14th, 15th, 16th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer's Reference	:	EE/DD/WO/234/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-18
Sample ID No	:	2018-02-20-10 /05
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	21-02-18

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.390	540	667	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	563	678	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.885	587	683	19.0%	Satisfactory	Satisfactory

Note:

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2018-02-20-10** **Date: 25-02-18**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drain in 14th, 15th, 16th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division

Agency : Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021

Customer's Reference : EE/DD/WO/234/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-02-18

Sample ID No : 2018-02-20-10 /04

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 21/02/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.27	100.14	1.723	4449	73.8	16.6	15.4	19.3
2	Cover Slab-2	75.18	100.22	1.735	4438	75.3	17.0	15.8	19.7
3	Cover Slab-3	75.34	100.18	1.814	4457	74.5	16.7	15.5	19.4

Note:

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-02-20-11** **Date: 23-02-18**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads 10th, 11th, 12th cross roads at Ravindra Nagara in Ward no.13 in Shettyhalli Sub division.
Agency	:	Sri. K. Jagadish, No.3424, 6th cross, Gayathrinagara, Bengaluru- 560021
Customer Reference	:	EE/DD/WO/232/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-02-18
Sample ID No	:	2018-02-20-11/01
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	20-02-18
Oven Dry Weight(gm)	:	10600

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	384	384	3.62	96.4	80-100
26.5	2483	2867	27.05	73.0	55-90
9.5	1950	4817	45.44	54.6	35-65
4.75	1966	6783	63.99	36.0	25-55
2.36	1475	8258	77.91	22.1	20-40
0.425	1194	9452	89.17	10.8	10-25
0.075	970	10422	98.32	1.7	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	21.10%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

Note:-
The results pertain to the samples received and tested.
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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

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